

DRILL SIZES & DECIMAL EQUIVALENTS

Drill Sizes

| Drill number or Letter* | Decimal Equiv. | Drill number or Letter* | Decimal Equiv. | Drill number or Letter* | Decimal Equiv. |
|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|
| 80 | 0.0135 | 40 | 0.098 | 1 | 0.228 |
| 79 | 0.0415 | 39 | 0.0995 | A | 0.234 |
| 1/64 | 0.0156 | 38 | 0.1015 | 15/64 | 0.2344 |
| 78 | 0.016 | 37 | 0.104 | B | 0.238 |
| 77 | 0.018 | 36 | 0.1065 | C | 0.242 |
| 76 | 0.020 | 7/64 | 0.1094 | C | 0.242 |
| 75 | 0.021 | 35 | 0.110 | D | 0.246 |
| 74 | 0.0225 | 34 | 0.111 | E & 1/4 | 0.250 |
| 73 | 0.024 | 33 | 0.113 | F | 0.257 |
| 72 | 0.025 | 32 | 0.116 | G | 0.261 |
| 71 | 0.026 | 31 | 0.120 | 17/64 | 0.2656 |
| 70 | 0.028 | 1/8 | 0.1250 | H | 0.266 |
| 69 | 0.0292 | 30 | 0.1285 | I | 0.272 |
| 68 | 0.031 | 29 | 0.136 | J | 0.277 |
| 1/32 | 0.0312 | 28 | 0.1405 | K | 0.281 |
| 67 | 0.032 | 9/64 | 0.1406 | 9/32 | 0.2812 |
| 66 | 0.033 | 27 | 0.144 | L | 0.290 |
| 65 | 0.035 | 26 | 0.147 | M | 0.295 |
| 64 | 0.036 | 25 | 0.1495 | 19/64 | 0.2969 |
| 63 | 0.037 | 24 | 0.152 | N | 0.302 |
| 62 | 0.038 | 23 | 0.154 | 5/16 | 0.3125 |
| 61 | 0.039 | 5/32 | 0.1562 | O | 0.316 |
| 60 | 0.040 | 22 | 0.157 | P | 0.323 |
| 59 | 0.041 | 21 | 0.159 | 21/64 | 0.3281 |
| 58 | 0.042 | 20 | 0.161 | Q | 0.332 |
| 57 | 0.043 | 19 | 0.166 | R | 0.339 |
| 56 | 0.0465 | 18 | 0.1695 | 11/32 | 0.3437 |
| 3/64 | 0.0468 | 11/64 | 0.1719 | S | 0.348 |
| 55 | 0.052 | 17 | 0.173 | T | 0.358 |
| 54 | 0.055 | 16 | 0.177 | 23/64 | 0.3594 |
| 53 | 0.0585 | 15 | 0.180 | U | 0.368 |
| 1/16 | 0.0625 | 14 | 0.182 | 3/8 | 0.375 |
| 52 | 0.0635 | 13 | 0.185 | V | 0.377 |
| 51 | 0.067 | 3/16 | 0.1875 | W | 0.386 |
| 50 | 0.070 | 12 | 0.189 | 25/64 | 0.3906 |
| 49 | 0.073 | 11 | 0.191 | X | 0.397 |
| 48 | 0.076 | 9 | 0.196 | Y | 0.404 |
| 5/64 | 0.0781 | 8 | 0.199 | 13/32 | 0.4062 |
| 47 | 0.0785 | 7 | 0.201 | Z | 0.413 |
| 46 | 0.081 | 13/64 | 0.2031 | 27/64 | 0.4219 |
| 45 | 0.082 | 6 | 0.204 | 7/16 | 0.4375 |
| 44 | 0.086 | 5 | 0.2055 | 29/64 | 0.4531 |
| 43 | 0.089 | 4 | 0.209 | 15/32 | 0.4687 |
| 42 | 0.0935 | 3 | 0.213 | 31/64 | 0.4844 |
| 3/32 | 0.0937 | 7/32 | 0.2187 | 1/2 | 0.5000 |
| 41 | 0.096 | 2 | 0.221 | | |

NOTE: The shank of a numbered drill makes a good gauge to determine the inside diameter of capillary tubing or to measure gas burner orifices.

Decimal and Metric Equivalents

Equivalents of Common Fractions of An Inch

| 64ths | 32nds | 16ths | 8ths | Decimal | Mm | --- | 64ths | 32nds | 16ths | 8ths | Decimal | Mm |
|-------|-------|-------|------|---------|--------|-----|-------|-------|-------|------|---------|--------|
| 1/64 | | | | 0.01562 | 0.397 | | 33/64 | | | | 0.51562 | 13.097 |
| 3/64 | 1/32 | | | 0.03125 | 0.794 | | 35/64 | 17/32 | | | 0.53125 | 13.494 |
| | | 1/16 | | 0.04688 | 1.191 | | | | 9/16 | | 0.54688 | 13.891 |
| | | | | 0.06250 | 1.588 | | | | | | 0.56250 | 14.288 |
| 5/64 | | | | 0.07812 | 1.984 | | 37/64 | | | | 0.57812 | 14.684 |
| 7/64 | 3/32 | | | 0.09375 | 2.381 | | 39/64 | 19/32 | | 5/8 | 0.53975 | 15.081 |
| | | | 1/8 | 0.10938 | 2.778 | | | | | | 0.60938 | 15.478 |
| | | | | 0.12500 | 3.175 | | | | | | 0.62500 | 15.875 |
| 9/64 | | | | 0.14062 | 3.572 | | 41/64 | | | | 0.64062 | 16.272 |
| 11/64 | 5/32 | | | 0.15625 | 3.969 | | 43/64 | 21/32 | | | 0.65625 | 16.669 |
| | | 3/16 | | 0.17188 | 4.366 | | | | 11/16 | | 0.67188 | 17.066 |
| | | | | 0.18750 | 4.763 | | | | | | 0.68750 | 17.463 |
| 13/64 | | | | 0.20312 | 5.159 | | 45/64 | | | | 0.70312 | 17.859 |
| 15/64 | 7/32 | | | 0.21875 | 5.556 | | 47/64 | 23/32 | | | 0.71875 | 18.256 |
| | | | 1/4 | 0.23438 | 5.953 | | | | | 3/4 | 0.73438 | 18.653 |
| | | | | 0.25000 | 6.350 | | | | | | 0.75000 | 19.050 |
| 17/64 | | | | 0.26562 | 6.747 | | 49/64 | | | | 0.76562 | 19.447 |
| 19/64 | 9/32 | | | 0.28125 | 7.144 | | 51/64 | 25/32 | | | 0.78125 | 19.844 |
| | | 5/16 | | 0.29688 | 7.541 | | | | 13/16 | | 0.79688 | 20.241 |
| | | | | 0.31250 | 7.938 | | | | | | 0.81250 | 20.638 |
| 21/64 | | | | 0.32812 | 8.334 | | 53/64 | | | | 0.82812 | 21.034 |
| 23/64 | 11/32 | | | 0.34375 | 8.731 | | 55/64 | 27/32 | | | 0.83475 | 21.431 |
| | | | 3/8 | 0.35938 | 9.128 | | | | | 7/8 | 0.85938 | 21.828 |
| | | | | 0.37500 | 9.525 | | | | | | 0.87500 | 22.225 |
| 25/64 | | | | 0.39062 | 9.922 | | 57/64 | | | | 0.89062 | 22.622 |
| 27/64 | 13/32 | | | 0.40625 | 10.319 | | 59/64 | 29/32 | | | 0.90625 | 23.019 |
| | | 7/16 | | 0.42188 | 10.716 | | | | 15/16 | | 0.92188 | 23.416 |
| | | | | 0.43750 | 11.113 | | | | | | 0.93750 | 23.813 |
| 29/64 | | | | 0.45312 | 11.509 | | 61/64 | | | | 0.95312 | 24.209 |
| 31/64 | 15/32 | | | 0.46875 | 11.906 | | 63/64 | 31/32 | | | 0.96875 | 24.606 |
| | | | 1/2 | 0.48438 | 12.303 | | | | | | 0.98438 | 25.003 |
| | | | | 0.50000 | 12.700 | | | | | 1 | 1.00000 | 25.400 |